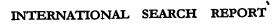
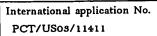
INTERNATIONAL SEARCH REPORT

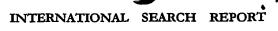
International application No.
PCT/US03/11411

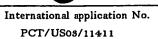
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :A01N 37/18; C07K 1/00; G01N 35/58						
US CL : 435/7.1: 514/2: 530/350						
According to International Patent Classification (IPC) or to both national classification and IPC						
	DS SEARCHED	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Minimum de	ocumentation searched (classification system followed	by classification symbols)				
Documentat searched	ion searched other than minimum documentation to	the extent that such documents are is	ncluded in the fields			
Electronic d	lata base consulted during the international search (na	ame of data base and, where practicable	e, search terms used)			
STN and	WEST					
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.			
Y	CARRAWAY ETAL, "Induction of Fer	ritin and Heme Oxygenase-1	1-20			
	by Endotoxin in the Lung", American	Journal of Physiology-Lung				
	Cellular and Molecular Physiology, v					
	L583-L592, September 1998, see entire	e reference.				
	OFFINITE AT HAT A PART OF THE	- of Homoslobin linduced	1-20, 36-39			
Y	OTTERBEIN ET AL, "Mechanism	n of Hemogloom-muuceu	1-20, 30-39			
	Protection against Endotoxemia in R Pathway", American Journal of Phy	veiology-I ung Cellular and	•			
	Molecular Physiology, Volume 272,	Issue 2 pages I 268-I 275				
	1997, see the entire document.	155uc 2, pages 1200-1275,				
•	1997, see the entire document.		:			
		•				
X Further documents are listed in the continuation of Box C. See patent family annex.						
• Special categories of cited documents: "In later document published after the international filing date or priority date and not in conflict with the application but cited to understand						
"A" document defining the general state of the art which is not considered the principle or theory underlying the invention to be of particular relevance "X" document of particular relevance; the claimed invention cannot be						
	"E" earlier document published on or after the international filing date considered novel or cannot be considered to involve an inventive step					
oited to establish the publication date of another citation or other; and document of particular relevance; the claimed invention cannot be special reason (as specified)						
<u> </u>	ocument referring to an oral disclosure, use, exhibition or other leans	obvious to a person skilled in the art				
th	than the priority date claimed					
Date of the actual completion of the international search 14 JULY 2003 Date of mailing of the international search report 12 AUG 2003						
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Authorized officer HOPE ROBINSON						
Commissioner of Patents and Trademarks		telicia D. Rob	wo you			
	Box PCT Washington, D.C. 20231					
Telephone No. (703) 808-9196						





C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	·
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	Dabase Biosis, Biological Abstracts Inc., (USA), No. 2002:628846, "Heme Oxygenase-1 Systin In Organ Transplantation", Abstract, Katori et al, October 2002.	21-29
Y	Dabase Medline, US National Library of Medicine (Bethesda, MD, USA), No. 2001676797, "Adenovirus-mediated Heme Oxygenase-1 Gene Delivery Inhibits Injury-induced Vascular Neointima Formation", Abstract, Tulis et al., November 2001.	30-35
Y, P	Dabase Medline, US National Library of Medicine (Bethesda, MD, USA), No. 2002393530, "Effects of Normobari Hyperoxia in a Rat Model of Focal Cerebral Ischemia-Reperfusion", Abstract, Singhal et al., July 2002.	36-39
	COTASID WAR OF SENERS CITY	





Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:		
2.		Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:		
3.	х	Claims Nos.: 40 and 41 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box	(II (Observations where unity of invention is lacking (Continuation of item 2 of first sheet)		
This International Searching Authority found multiple inventions in this international application, as follows:				
1.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.		
2.		As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.		
s.		As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:		
4.		No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:		
Re	mark	on Protest The additional search fees were accompanied by the applicant's protest.		
		No protest accompanied the payment of additional search fees.		